

Work Order ID 149306

Friday, July 22, 2016 10:43:59 AM

149306

Page 1

Item ID: D3015-3

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Locknut

Start Date: 7/22/2016 Start Qty: 200.00

200

Cust Item ID:

Required Date: 7/29/2016 Req'd Qty: 200.00

200

Customer:

Reference:

DAS

Approvals:

Process Plan:

21

Date:

JUL 22 2016

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D3015	Rev C

100

0.00

100

Purchasing

PURCHASING

Memo

0.00

Purchasing

Issue P/O:

32234

Description: SS locknut with nylon insert
Possible Supplier: Acklands P/N: PFS LNNC516S1
Material release note required

200 AUG 04 2016

**DAS
13
9-89**

110

0.00

110

Packaging

Receive & Inspect for Damage & Mat'l Certs

Memo

0.67

Packaging

Ensure Material Release Note is attached

200x SP16-8-12

120

0.00

120

QC

QC6- Inspect dimensions to drawing

Memo

0.00

Quality Control

200

**DAS
38
9-89
AUG 15 2016**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

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Page 2

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Required Date: 7/29/2016 Req'd Qty: 200.00

200

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location

ST025A

0.00

130

Packaging

Memo

0.33

Packaging

**DAS
6
9-89****WJA
260****PC****AUG 15 2016**

140

QC21 - Final Inspection - Work Order Release

0.00

140

QC

Memo

3.33

Quality Control

**DAS
21
9-89****AUG 16 2016****DAS
21
9-89****AUG 16 2016**

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Picklist Print

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Page 1

Work Order ID: 149306

149306

Parent Item: D3015-3

D3015-3

Parent Item Name: Locknut

Start Date: 7/22/2016

Required Date: 7/29/2016

Start Qty: 200.00

Required Qty: 200.00

Comments: IPP: A01.06.28New IssueSM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
PFS-LNNC5/16S1		Purchased	No			110	Each	0.0000	1	200			

PFS-I NNC5/16S1

Lock Nut

**

200X SP 16-8-12

DQA: _____ Date: _____



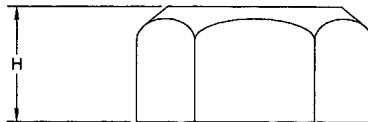
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OTHER : ☐									

SPECIFICATION CONTROL DRAWING



D3015-X LOCKNUT

PART NUMBER	SIZE	HEIGHT H	POSSIBLE SUPPLIER
D3015-1	1/4-20 UNC	0.31	ACKLANDS, P/N PFSLNNC14S1
D3015-3	5/16-18 UNC	0.34	ACKLANDS, P/N PFSLNNC516S1
D3015-5	7/16-14 UNC	0.46	ACKLANDS, P/N PFSLNNC716S1
D3015-7	M5	0.19	ACKLANDS, P/N FLMN021-005-0000



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 149306 MJS
16-07-22

RELEASED
09/07/15

NOTES:

- 1) MATERIAL: SS LOCKNUT WITH NYLON INSERT
- 2) FINISH: N/A
- 3) TOLERANCES: ALL DIMENSIONS SHOWN AS REFERENCE
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

C	REFORMAT DWG, -7 P/N NOW FLMN021-005-0000 WAS LNNM5S1 (ZN B8-1), PAR 09-020	CP	09.07.08
B	ADD D3015-7	KJ	03.07.15
A	NEW ISSUE	DS	01.05.03
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.08		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D3015** REV. C
SHEET 1 OF 1
TITLE **LOCKNUT** SCALE NTS

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO33236

Purchase Order Date 8/4/2016

PO Print Date 8/8/2016

Page Number 1 of 2

Order From :

VC-ACK001

Ship To : DART AEROSPACE LTD

ACKLANDS - GRAINGER INC.
P.O. BOX 2970
WINNIPEG, MB R3C 4B5
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVISED

Contact Name

Vendor Phone

613 632 2739

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

VENDOR'S TRUCK

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
1	PFS-LNNC5/16S1	Lock Nut	8/10/2016 Yes 8/10/2016		200.00 Each	\$0.16	\$32.98
	AS PER DWG D3015 REV. C B149306						
	ACKLANDS P/N: FPBU51738.031.0001						
Line Total:							\$32.98
2	5/16-18-015C	SS Bolt 5/16-181.5"K	8/10/2016 Yes 8/10/2016	FN	220.00 Each	\$0.44	\$97.88
	acklands p/n: FPB U51000.031.0150						
Line Total:							\$97.88
3	5/16WC	Washer	8/10/2016 Yes 8/10/2016	FN	800.00 Each	\$0.05	\$42.56
	ACKLANDS P/N: FPB U51205.031.0001						

Note:

8/8/2016

Sp/6-8-12

**ACKLANDS
GRAINGER**Acklands Grainger-Toronto
21 Merchant Rd
Caledon East ON
L7C2X4
www.acklandsgrainger.com

Customer tax ID / No taxe:

Contact / Contacter:
DART AEROSPACE LTD**PACKING SLIP / BORDEREAU D'EXPÉDITION**

Customer PO / Du Client PO



*PO33236

Delivery / Livrais



*6332842623

Sold To / Vendu a 0886365464

DART AEROSPACE LTD
1270 ABERDEEN ST

HAWKESBURY ON K6A 1K7

Ship To/Address d'expédition:

DART AEROSPACE LTD
1270 ABERDEEN STHAWKESBURY ON
K6A 1K7Shipping Conditions /
Conditions d'expédition
ZORIncoterms / Incoterms
0Payment terms /
Conditions de paiement:
Net 30 days after invoice dAccount manager order / Commande
du directeur descomptes:Order / Command
1269045506Delivery date /
Date d'envol:
08/AUG/2016Order date / Date
de la commande:
05/AUG/2016

Requisitioner / Demande

Freight terms / Modalité
Prepaid and AddCarrier / transporteur:
UPSC

Notes / Remarques:

Line / Ligne	PO Line / Po Ligne	Material / Matériau Description / Description	Customer Material / Matériau du client Description / Description	Unit Price / Prix unitaire	Per / Par	Extended Price / Prix tot	Ship quantity / Q	Order Quantity / Quantité com	UoM / unité d
10		FPBU51738.031.0001	LOCKNUT NY RGL SS304 UNC 5/16-18 ✓	16.49	100	32.98	200	200	EA
20		FPBU51000.031.0150	CAPSCREW SS304 UNC 5/16-18X1-1/2	44.49	100	97.88	220	220	EA
30		FPBU51205.031.0001	FLAT WASHER SS304 0.344X0.688	5.32	100	42.56	800	800	EA
40		FPBU51205.043.0001	FLAT WASHER SS304 0.469X0.922	9.22	100	13.83	150	150	EA

SHIP VIA / EXPÉDITEUR
UPSCBILL OF LADING
CONNAISSEMENT
07000000002266267SUB TOTAL /
SOUS TOTAL

\$ 187.25

Freight / Fret

\$ 0

TAXE PROV / PROV. TAX
T.P.S / T.V.H. / G.S.T. / H.S.T.

\$ 24.34

TOTAL AMOUNT /
MONTANT TOTAL

\$ 211.59

RECEIVED
BY
RECU
PAR